

IN THE SPECIFICATION

Please amend the paragraph at page 83, line 16 through page 84, line 5 to read as follows:

A heart function analysis apparatus shown in FIG. 51 comprises a cardiac wall contour input section 301 for inputting cardiac wall contour information, a characteristic point detection section 302 for detecting or inputting characteristic points on contours such as a cardiac apex and an annulus valva from the ~~[[hear]]~~ heart wall contours, a contour division section 303 for dividing the cardiac wall contours based on the characteristic points, a division point association section 304 for associating division points of moving pictures in a plurality of time phases, a display section 305 for classifying the divided cardiac wall contours into regions useful for diagnosis and for displaying the divided contours by means of at least one of numerical display, graph display, color display of the cardiac wall and a memory for storing contour information or division point information.

Please amend the paragraph at page 85, lines 17-23 to read as follows:

First, cardiac wall contour information is inputted from the cardiac wall contour input section 301. The cardiac wall contours 320 may be inputted manually using, for example, a mouse on pictures or may be contour information obtained as a result of picture processing and the like (FIG. 53 and step A1 of FIG. 52)

Please amend the paragraph at page 85, line 24 through page 86, line 3, to read as follows:

Next, characteristic points 321 on the cardiac wall contours are detected by the characteristic point detection section 302. The characteristic point may be inputted manually

using, for example, a mouse or calculated automatically using information about the curvature of contours based on the shapes of the cardiac wall contours (FIG. 54 and step A2 or FIG. 52).